

WHAT IS CLAIMED IS:

1. A method for transmitting data comprising:

retrieving a file from a destination based transmit folder;

5 encrypting the file with an encryption process associated with the destination based transmit folder; and

transmitting the file to an outgoing folder for transmission to the destination.

2. The method of claim 1 further comprising retrieving the encryption process associated with the destination based transmit folder from an encryption database.

10 3. The method of claim 1 further comprising verifying that the file has been encrypted.

4. The method of claim 3 wherein verifying that the file has been encrypted comprises transferring the file to a temporary folder and checking if all files in the temporary folder have been encrypted.

15 5. The method of claim 3 further comprising moving the file to an error directory if the file fails the verification process.

6. The method of claim 3 further comprising recording information about the file in an error log if the file fails the verification process.

20 7. The method of claim 6 further comprising transmitting a destination based portion of the error log to the destination.

8. The method of claim 3 wherein transmitting the file to the outgoing folder comprises transmitting the verified file to the outgoing folder.

9. The method of claim 3 further comprising transmitting notification of verification failure of the file to the destination if the file fails verification.

10. The method of claim 1 further comprising transmitting notification of encryption failure of the file to the destination if the file fails encryption.

5 11. The method of claim 1 further comprising moving the file to an error directory if the file fails the encryption process.

12. The method of claim 1 further comprising recording information about the file in an error log if the file fails the encryption process.

13. The method of claim 1 further comprising:

10 retrieving the file from the outgoing box;

transmitting the file to the destination; and

verifying receipt of the file at the destination.

14. The method of claim 1 further comprising receiving the file in the destination based transmit folder wherein a user selects a file destination and places the file in the destination based transmit folder corresponding to the file destination.

15. The method of claim 1 wherein retrieving the file from the destination based transmit folder comprises automatically checking the destination based transmit folder for new files after a predetermined time interval and retrieving new files found in the destination based transmit folder.

20 16. The method of claim 1 further comprising transmitting the encrypted file.

17. The method of claim 1 further comprising transmitting the encrypted file over an insecure channel.

18. The method of claim 1 wherein the encryption process comprises a public key for encoding the file.
19. The method of claim 1 further comprising generating a file notifying a recipient at the destination that the file is being transmitted.
- 5 20. The method of claim 1 further comprising performing a scan for encryption key software to find the encryption process.
21. The method of claim 1 further comprising transmitting a list of files from the destination based transmit folder to the outgoing folder to reconcile files being transferred from the transmit folder to the outgoing folder.
- 10 22. The method of claim 1 further comprising compressing the data.
23. A system for transmitting data comprising:
means for retrieving a file from a destination based transmit folder;
means for encrypting the file with an encryption process associated with the destination based transmit folder; and
means for transmitting the file to an outgoing folder for transmission to the destination.
- 15 24. The system of claim 23 further comprising means for retrieving the encryption process associated with the destination based transmit folder from an encryption database.
- 20 25. The method of claim 23 further comprising means for verifying that the file has been encrypted.
26. The system of claim 23 further comprising:
means for retrieving the file from the outgoing box;

means for transmitting the file to the destination; and
means for verifying receipt of the file at the destination.

27. A method for receiving data comprising:

retrieving a file from a destination based received folder;

5 decrypting the file with a decryption process associated with the
destination based received folder; and

transmitting the file to an outgoing folder for access at the destination.

28. The method of claim 27 further comprising retrieving the decryption
process associated with the destination based received folder from a decryption
10 database.

29. The method of claim 27 further comprising verifying that the file has been
decrypted.

30. The method of claim 29 wherein verifying that the file has been decrypted
comprises transferring the file to a temporary folder and checking if all files in the
15 temporary folder have been decrypted.

31. The method of claim 29 further comprising moving the file to an error
directory if the file fails the verification process.

32. The method of claim 29 further comprising recording information about
the file in an error log if the file fails the verification process.

20 33. The method of claim 32 further comprising transmitting a destination
based portion of the error log to the destination.

34. The method of claim 29 wherein transmitting the file to the outgoing folder
comprises transmitting the verified file to the outgoing folder.

35. The method of claim 29 further comprising transmitting notification of decryption failure of the file to the destination if the file fails verification.
36. The method of claim 27 further comprising transmitting notification of decryption failure of the file to the destination if the file fails decryption.
- 5 37. The method of claim 27 further comprising moving the file to an error directory if the file fails the decryption process.
38. The method of claim 27 further comprising recording information about the file in an error log if the file fails the decryption process.
- 10 39. The method of claim 27 wherein retrieving the file from the destination based received folder comprises automatically checking the destination based received folder for new files after a predetermined time interval and retrieving new files found in the destination based received folder.
40. The method of claim 27 further comprising receiving the file in a file received inbox and placing the file in the destination based received folder.
- 15 41. The method of claim 40 wherein receiving the file comprises receiving the file over an insecure channel.
42. The method of claim 41 wherein placing the file in the appropriate destination based received folder comprises determining the destination of the file.
- 20 43. The method of claim 27 wherein the decryption process comprises a private key for decoding the file.
44. The method of claim 27 further comprising performing a scan for decryption key software to find the decryption process.

45. The method of claim 27 further comprising transmitting a list of files from the destination based received folder to the outgoing folder to reconcile files being transferred from the received folder to the outgoing folder.

46. The method of claim 27 further comprising decompressing the data.

5 47. A system for receiving data comprising:

means for retrieving a file from a destination based received folder;

means for decrypting the file with a decryption process associated with the destination based received folder; and

means for transmitting the file to an outgoing folder for access at the destination.

10 48. The system of claim 47 further comprising means for retrieving the decryption process associated with the destination based received folder from an encryption database.

49. The method of claim 47 further comprising means for verifying that the file has been decrypted.

15 50. The method of claim 47 further comprising means for receiving the file in a file received inbox and placing the file in the destination based received folder.

51. A method for transmitting data comprising:

automatically retrieving data from a destination based transmit folder;

20 automatically retrieving an encryption process associated with the destination based transmit folder;

encrypting the data with the encryption process; and

transmitting the data to an outgoing folder for transmission to the destination.

52. The method of claim 51 wherein the encryption process comprises an encryption key.

53. The method of claim 51 further comprising transferring the data to a temporary folder to verify that the data has been encrypted.

5 54. The method of claim 51 further comprising performing error processing on the data if the data fails verification.

55. The method of claim 51 further comprising performing error processing on the data if the data fails encryption.

56. A system for transmitting data comprising:

10 means for automatically retrieving data from a destination based transmit folder;

means for automatically retrieving an encryption process associated with the destination based transmit folder;

means for encrypting the data with the encryption process; and

15 means for transmitting the data to an outgoing folder for transmission to the destination.

57. The system of claim 56 wherein the encryption process comprises an encryption key.

58. The system of claim 56 further means for comprising transferring the data 20 to a temporary folder to verify that the data has been encrypted.

59. The system of claim 58 further comprising means for performing error processing on the data if the data fails verification.

60. The method of claim 58 further comprising means for performing error processing on the data if the data fails encryption.

61. A method for receiving data comprising:

automatically placing received data in a destination based received folder;

automatically retrieving data from the destination based received folder;

automatically retrieving a decryption process associated with the
5 destination based received folder;

decrypting the data with the decryption process; and

transmitting the data to an outgoing folder for access at the destination.

62. The method of claim 61 wherein the encryption process comprises an
encryption key.

10 63. The method of claim 61 further comprising transferring the data to a
temporary folder to verify that the data has been decrypted.

64. The method of claim 63 further comprising performing error processing on
the data if the data fails verification.

15 65. The method of claim 61 further comprising performing error processing on
the data if the data fails decryption.

66. A system for receiving data comprising:

means for automatically placing received data in a destination based
received folder;

means for automatically retrieving data from the destination based received
20 folder;

means for automatically retrieving a decryption process associated with the
destination based received folder;

means for decrypting the data with the decryption process; and

means for transmitting the data to an outgoing folder for access at the destination.

67. The system of claim 66 wherein the encryption process comprises an encryption key.

5 68. The system of claim 66 further comprising means for transferring the data to a temporary folder to verify that the data has been decrypted.

69. The system of claim 68 further comprising means for performing error processing on the data if the data fails verification.

70. The system of claim 66 further comprising means for performing error processing on the data if the data fails decryption.

10 71. An automatic encryption system for data to be transmitted comprising:

an encryption module receiving data in a destination based transmit folder and automatically encrypting the data with an encryption method associated with the destination based transmit folder;

15 an encryption database storing encryption methods, each encryption method associated with at least one destination based transmit folder;

an error module performing error processing on data failing encryption.

72. The system of claim 71 further comprising a file compression module compressing the data to be transmitted.

20 73. The system of claim 71 wherein the encryption module comprises a verification module verifying encryption of the data.

74. An automatic decryption system for received data comprising:

an decryption module receiving data in a destination based received folder and automatically decrypting the data with a decryption method associated with the destination based received folder;

5 an decryption database storing decryption methods, each decryption method associated with at least one destination based received folder;

 an error module performing error processing on data failing decryption.

75. The system of claim 74 further comprising a file decompression module decompressing the received data.

76. The system of claim 74 wherein the decryption module comprises a verification module verifying decryption of the data.